

WHAT IS CLAIMED IS:

1     ~~1. A system for communicating with a plurality of remote~~  
2     ~~locations from a central station utilizing a dial-up telephone~~  
3     ~~facility and telephonic television terminal units at said~~  
4     ~~remote locations, said system comprising:~~

5             ~~memory structure for storing call schedule data on~~  
6             ~~said telephonic television terminal units;~~

7             ~~telephone interface structure for interfacing said~~  
8             ~~dial-up telephone facility to accomplish communication;~~

9             ~~at least one central video terminal including a~~  
10            ~~speakerphone unit and a display device for providing~~  
11            ~~television displays; and~~

12            ~~computer control structure for receiving calls~~  
13            ~~through said dial-up telephone facility and said telephone~~  
14            ~~interface structure to store said call schedule data in~~  
15            ~~said memory structure for retrieval in a sequential order~~  
16            ~~and for driving said telephone interface structure to~~  
17            ~~provide connections from said central video terminal to~~  
18            ~~said telephonic television terminal units in accordance~~  
19            ~~with said sequential order for video communication.~~

1            2. A system according to claim 1 wherein said telephone  
2            interface structure includes an autodialer unit for calling  
3            said telephonic television terminal units.

1            3. A system according to claim 1 wherein said telephone  
2            interface structure includes an audio response unit for  
3            prompting the provision of said call schedule data.

1            4. A system according to claim 1 wherein said telephone  
2            interface structure includes a test apparatus for  
3            authenticating the entry of said call schedule data.

1           5.    A system according to claim 1 wherein said central  
2 station video terminal includes a plurality of video format  
3 circuits for communicating with said telephonic television  
4 terminal units.

1           6.    A system according to claim 5 wherein said computer  
2 control structure addresses said memory structure to select and  
3 actuate one of said video format circuits on connection to a  
4 telephone television terminal unit.

1           7.    A system according to claim 5 wherein said central  
2 video terminal unit includes a switch for actuating said video  
3 format circuits.

1           8.    A system according to claim 1 wherein said central  
2 video terminal unit includes a recorder.

1           9.    A system according to claim 8 wherein said recorder  
2 comprises a printer.

1           10.   A system according to claim 1 including a plurality  
2 of central video terminals and said computer control structure  
3 provides connections to said telephonic television terminal  
4 units selectively to said central video terminals.

1           11.   A system according to claim 1 wherein said telephonic  
2 interface structure further includes "D" channel type signal  
3 processing apparatus to address said memory structure.

1           12.   A system according to claim 1 wherein said memory  
2 structure stores identification data for said telephonic  
3 television terminal units.

1           13. A system according to claim 1 wherein said memory  
2 structure stores billing data for said telephonic television  
3 terminal units.

1- ~~14. A system for communicating with a plurality of remote~~  
2 ~~locations from a central station utilizing a dial-up telephone~~  
3 ~~facility and telephonic television terminal units at said~~  
4 ~~remote locations, said system comprising:~~

5           memory structure for storing call schedule data on  
6 said telephonic television terminal units;

7           telephone interface structure for interfacing said  
8 dial-up telephone facility to accomplish communication;

A<sub>2</sub> 9           a plurality of central video terminals, each  
10 including a speakerphone unit and a display device for  
11 providing a television display; and

12           computer control structure for receiving calls  
13 through said dial-up telephone facility and said telephone  
14 interface structure to store said call schedule data in  
15 said memory structure and for retrieving said call  
16 schedule data for driving said telephone interface  
17 structure to provide connections from selective of said  
18 central video terminals to selective of said telephonic  
19 television terminal units.

1           15. A system according to claim 14 wherein said telephone  
2 interface structure includes an autodialer unit for calling  
3 said telephonic television terminal units.

1           16. A system according to claim 14 wherein said telephone  
2 interface structure includes an audio response unit for  
3 prompting the provision of said call schedule data.

1           17. A system according to claim 14 wherein said telephone  
2 interface structure includes a test apparatus for  
3 authenticating the entry of said call schedule data.

1 18. A system for communicating with a plurality of remote  
2 locations from a central station utilizing a dial-up telephone  
3 facility and telephonic television terminal units and wherein  
4 said telephonic television terminal units are located at said  
5 remote locations and operate in a plurality of video formats,  
6 said system comprising:

7 memory structure for storing call schedule data on  
8 said telephonic television terminal units;

A<sub>3</sub> 9 telephone interface structure for interfacing said  
10 dial-up telephone facility to accomplish communication;

11 at least one central video terminal including a  
12 speakerphone unit and a display device for providing  
13 television displays and selectively operable in said  
14 plurality of video formats; and

15 computer control structure for receiving calls  
16 through said dial-up telephone facility and said telephone  
17 interface structure to store said call schedule data in  
18 said memory structure for retrieval to drive said  
19 telephone interface structure to provide connections from  
20 said central video terminal to said telephonic television  
21 terminal in a select video format.

1 19. A system according to claim 18 wherein said telephone  
2 interface structure includes an autodialer unit for calling  
3 said telephonic television terminal units.

1 20. A system according to claim 18 wherein said telephone  
2 interface structure includes an audio response unit for  
3 prompting the provision of said call schedule data.

1 21. A system according to claim 18 wherein said telephone  
2 interface structure includes a test apparatus for  
3 authenticating the entry of said call schedule data.

1           22. A system according to claim 18 including a plurality  
2 of central video terminals and said computer control structure  
3 provides connections to said telephonic television terminal  
4 units selectively to said central video terminals.

1           23. A system according to claim 18 wherein said telephone  
2 interface structure includes means for providing "D" channel  
3 type signals for addressing said memory structure.

A<sub>4</sub>  
1           ~~24. A process for communicating with a plurality of~~  
2 ~~remote locations from a central station utilizing a dial-up~~  
3 ~~telephone facility and telephonic television terminal units at~~  
4 ~~said remote locations, said process including the steps of:~~  
5           ~~using telephonic interface techniques to receive and~~  
6           ~~store schedule data from remote locations regarding call~~  
7           ~~appointments for specific telephonic television terminals~~  
8           ~~units;~~  
9           ~~in time sequence, calling telephonic television~~  
10          ~~terminal units for video communication in accordance with~~  
11          ~~said stored schedule data and a predetermined video~~  
12          ~~format;~~  
13          ~~interfacing the called telephonic television terminal~~  
14          ~~units for video communication in the predetermined and~~  
15          ~~video format in the time sequence.~~

6046\101C2.app